

Special version of the collocation method for integral equations of the second kind with singularities in the kernel

Gabbasov N., Galimova Z.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© 2015, Pleiades Publishing, Ltd. We study a linear integral equation of the second kind with fixed singularities in the kernel. For its approximate solution in the space of “pointwise smooth” functions, we suggest and justify a new version of the collocation method based on the use of special interpolation polynomials.

<http://dx.doi.org/10.1134/S001226611509013X>
